

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2004				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3: NAVY/AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures BLI # 424800					
Program Element for Code B Items: 0604373N							Other Related Program Elements 0204302N					
	Prior Years	ID Code	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total
QUANTITY												
COST (In Millions)		B		\$17.7	\$2.5	\$73.1	\$67.8	\$160.0	\$162.6	\$168.2	Cont.	Cont.
SPARES COST (In Millions)				\$3.6	\$1.1	\$4.1	\$3.5	\$8.0	\$5.6	\$2.3	Cont.	Cont.
<p>Airborne Mine Countermeasures (AMCM) Equipment is currently used by MH-53E helicopters to counter the threat of sea mines. The MH-60S helicopter will be adapted for the AMCM mission in support of the development of an Organic Fleet AMCM program. The equipment is divided into two broad categories -- minesweeping and minehunting. (1) Minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In mine hunting, the object is to actually locate and classify minelike objects (usually by means of high resolution sonar) and mark or neutralize mines using explosive devices. AMCM squadrons currently have mechanical, magnetic, and acoustic sweeping capabilities, and mine surveillance and marking capabilities. Their mission is to locate, classify and neutralize moored and bottom mines.</p> <p>S0020 - Funds provided are for the modification of systems to accommodate replacement of subsystems/components because of obsolescence. ECP's are analyzed, prioritized and screened to accommodate replacement of subsystems/components. Funding for this effort is designated in all fiscal years.</p> <p>S0061 - The MK-105 Mod 4 magnetic minesweeping system is a hydrofoil platform that carries a turbo-generator power pack and is towed by a MH-53E helicopter, allowing for safe, high speed sweeping of coarse magnetic influence mines at twice the output of the current MK-105. The technological upgrade increases supportability, reliability and maintainability (R&M), and increases operational effectiveness.</p> <p>S0065 - Airborne Mine Neutralization System (AMNS) is an expendable remote controlled neutralizer vehicle deployed from the helicopter platform to reacquire, identify, and neutralize moored or proud bottom sea mines. FY 2002 - FY 2003 procurements supports the MH-53E airframe.</p> <p>S0073 - AN/AQS-20 funding provided in FY 2002 supports Limited Production (MH-53E) . FY 2003 funding for AN/AQS-20 towed bodies which support the current MH-53E program and would convert efficiently to the MH-60S/AN/AQS-20A program by later modification. The AN/AQS-20 will provide a minehunting deployment contingency capability to the MH53E.</p> <p>S0074 - AN/AQS-20A (AN/AQS-20/X Nomenclature designation assigned MAY 02) funding provided in FY 2004 - FY 2005 includes a sonar for mine detection, classification and identification. The Navy does not possess a capability to conduct high speed minefield reconnaissance to determine mine density and location. The AN/AQS-20A will be procured to address the emergent requirement for mine identification and to integrate AMCM systems with a MH-60S platform.</p> <p>S0075 - Airborne Laser Mine Detection System (ALMDS), AN/AES-1 is a light detection and ranging (LIDAR) system for rapid detection, classification, and localization of floating and near surface tethered mines. It will be deployed on the MH-60S helicopter as part of the OAMCM suite of systems.</p> <p>S0076 - Organic Airborne and Surface Influence Sweep (OASIS) will provide a self-contained, high speed, multi-function mine sweep capability, towed by the MH-60S helicopter and potential surface craft.</p>												

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<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Code B items</th> <th></th> <th style="text-align: center;">OT</th> <th style="text-align: center;">DT</th> <th style="text-align: center;">TDP</th> <th style="text-align: center;">PDM</th> </tr> </thead> <tbody> <tr> <td>AMNS (MH-53E)*</td> <td>PE #0604373N</td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">1Q/03</td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>AMNS (MH-60S)</td> <td>PE #0604373N</td> <td style="text-align: center;">1Q/06</td> <td style="text-align: center;">3Q/05</td> <td style="text-align: center;">4Q/05</td> <td style="text-align: center;">4Q/05</td> </tr> <tr> <td>ALMDS</td> <td>PE #0604373N</td> <td style="text-align: center;">2Q/05</td> <td style="text-align: center;">4Q/04-1Q/05</td> <td style="text-align: center;">2Q/04</td> <td style="text-align: center;">4Q/04</td> </tr> <tr> <td>OASIS</td> <td>PE #0604373N</td> <td style="text-align: center;">1Q-2Q/FY06</td> <td style="text-align: center;">1Q/05-3Q/05</td> <td style="text-align: center;">4Q/FY06</td> <td style="text-align: center;">1Q/FY06</td> </tr> <tr> <td>AN/AQS-20A</td> <td>PE #0604373N</td> <td style="text-align: center;">3Q/05</td> <td style="text-align: center;">4Q/04</td> <td style="text-align: center;">2Q/04</td> <td style="text-align: center;">2Q/05</td> </tr> </tbody> </table> <p style="margin-top: 20px;">* Based on designation as a Rapid Deployment Capability (RDC) system, a Quick Reaction Assessment (QRA) will be conducted in 2Q/04.</p>								Code B items		OT	DT	TDP	PDM	AMNS (MH-53E)*	PE #0604373N	N/A	1Q/03	N/A	N/A	AMNS (MH-60S)	PE #0604373N	1Q/06	3Q/05	4Q/05	4Q/05	ALMDS	PE #0604373N	2Q/05	4Q/04-1Q/05	2Q/04	4Q/04	OASIS	PE #0604373N	1Q-2Q/FY06	1Q/05-3Q/05	4Q/FY06	1Q/FY06	AN/AQS-20A	PE #0604373N	3Q/05	4Q/04	2Q/04	2Q/05
Code B items		OT	DT	TDP	PDM																																						
AMNS (MH-53E)*	PE #0604373N	N/A	1Q/03	N/A	N/A																																						
AMNS (MH-60S)	PE #0604373N	1Q/06	3Q/05	4Q/05	4Q/05																																						
ALMDS	PE #0604373N	2Q/05	4Q/04-1Q/05	2Q/04	4Q/04																																						
OASIS	PE #0604373N	1Q-2Q/FY06	1Q/05-3Q/05	4Q/FY06	1Q/FY06																																						
AN/AQS-20A	PE #0604373N	3Q/05	4Q/04	2Q/04	2Q/05																																						

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: February 2004				
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3: NAVY/AVIATION SUPPORT EQUIPMENT						ID Code B	P-1 ITEM NOMENCLATURE/SUBHEAD Airborne Mine Countermeasures/73S0									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2002			FY 2003			FY 2004			FY 2005			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
S0020	MODIFICATION	A							2,085			2,505			3,824	
S0061	<u>MK-105 Mod 4</u> SUPPORT EQUIPMENT CONVERSION S0061 TOTAL	A														
S0065	<u>Unit Cost - AMNS</u> Unit Cost - NEUTRALIZERS SUPPORT EQUIPMENT ILS/PUBS/TECH DATA TRAINING EQUIPMENT S0065 TOTAL	B					2	1,169	2,337 0 200 57 0 2,594							
S0073	<u>Unit Cost - AQS-20</u> NON-RECURRING ENGINEERING ENGINEERING CHANGE PROPOSALS ILS/PUBS/TECH DATA TRAINING EQUIPMENT S0073 TOTAL	A					2	5,654	11,308 0 0 857 896 13,061							
S0074	<u>Unit Cost - AQS-20A</u> NON-RECURRING ENGINEERING SUPPORT EQUIPMENT ILS/PUBS/TECH DATA TRAINING EQUIPMENT PRODUCTION ENGINEERING CONSULTING SERVICES S0074 TOTAL	B											6	7,400	44,400 825 730 760 125 910 200 47,950	
Subtotal									17,740			2,505			51,774	

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System							DATE: February 2004			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3: NAVY/AVIATION SUPPORT EQUIPMENT						ID Code B	P-1 ITEM NOMENCLATURE/SUBHEAD Airborne Mine Countermeasures/73S0									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2002			FY 2003			FY 2004			FY 2005			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
S0075	<u>Unit Cost - ALMDS LRIP</u> NON-RECURRING ENGINEERING SUPPORT EQUIPMENT ILS/PUBS/TECH DATA TRAINING EQUIPMENT PRODUCTION ENGINEERING CONSULTING SERVICES S0074 TOTAL	B											4	4,149	16,597 1,807 396 601 204 1,252 450 21,307	
Subtotal									17,740			2,505			73,081	

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2004			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3: NAVY/AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures BLI 424800				73S0	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FISCAL YEAR (03) AQS-20 - S0073 AMNS - S0065	2 2	5,654 1,169	NAVSEA NAVSEA	10/02 12/02	OPTION OPTION	RAYTHEON, PORTSMOUTH, RI LM/STN ATLAS, SYRACUSE, NY	7/03 5/03	6/05 5/04	YES YES	
FISCAL YEAR (04)										
FISCAL YEAR (05) AQS-20A - S0074 ALMDS - S0075	6 4	7,400 4,149	NAVSEA NAVSEA	04/04 05/04	SS/FP C/FP	RAYTHEON, PORTSMOUTH, RI UNKNOWN	4/05 11/04	3/07 12/05	YES YES	
D. REMARKS FY02 was a LRIP from a AN/AQS-20 PDM decision SEPT 00. FY03 provides AN/AQS-20 towed bodies. FY02 and FY03 AMNS funding were used to procure a total of seven Rapid Deployment Capability (RDC) systems from an ADM dated 7 Apr 03.										

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE February 2004					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Navy/Aviation Support Equipment						Weapon System P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures					
		Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AMNS (MH-53E)	Lockheed, Syracuse, NY		1	6	12	2	8	12		20	E
							2		12	14	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2001												FISCAL YEAR 2002												B A L
						2000			CALENDAR YEAR 2001									CALENDAR YEAR 2002												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
AMNS (MH-53E)	02	N	5	0	5																							5		
AMNS (MH-53E)	03	N	2	0	2																							2		

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2003												FISCAL YEAR 2004												B A L
						2002			CALENDAR YEAR 2003									CALENDAR YEAR 2004												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
AMNS (MH-53E)	02	N	5	0	5									A														0		
AMNS (MH-53E)	03	N	2	0	2									A														0		

Remarks: FY02 AMNS procured five MH-53E systems.
FY03 AMNS procured two MH53E systems

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21							DATE February 2004																				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Navy/Aviation Support Equipment							Weapon System							P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures													
						Production Rate			Procurement Leadtimes																		
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure													
ALMDS (FY 05)	Northrup Grumman					3	10	12	3	3	12		15	E													

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2003												FISCAL YEAR 2004												B A L
						2002			CALENDAR YEAR 2003									CALENDAR YEAR 2004												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
ALMDS	05	N	4	0	4																							4		

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2005												FISCAL YEAR 2006												B A L
						2004			CALENDAR YEAR 2005									CALENDAR YEAR 2006												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
ALMDS	05	N	4	0	4		A												1	1	1	1						0		

Remarks:

